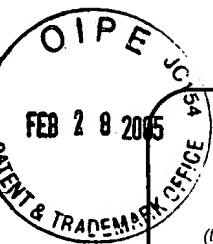


2128  
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PTO/SB/21 (04-04)

Approved for use through 07/31/2006. OMB 0651-0031  
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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	09/712,888
	Filing Date	November 15, 2000
	First Named Inventor	Nolan et al.
	Art Unit	2128
	Examiner Name	Mussa Shaawat
Total Number of Pages in This Submission	Attorney Docket Number	I-2-0148.1US

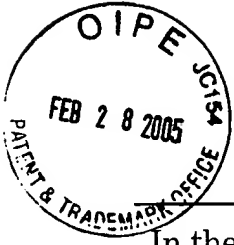
ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Supplemental Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): Form PTO-1449 w/ a copy of the European Search Report dated January 11, 2005
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	Gerald B. Halt, Jr. Volpe and Koenig, P.C.
Signature	
Date	February 25, 2005
Reg. No. 37,633	

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Date	February 25, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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# PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In the **PATENT APPLICATION** of:

Nolan et al.

**Application No.:** 09/712,888

**Confirmation No.:** 5233

**Filed:** November 15, 2000

**For:** COMMUNICATION TRANSMISSION  
IMPAIRMENT EMULATOR

**Group:** 2128

**Examiner:** Mussa Shaawat

**Our File:** I-2-0148.1US

**Date:** February 24, 2005

### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Further to Applicants' Duty of Disclosure pursuant to 37 C.F.R. §1.56, Applicants wish to bring to the Examiner's attention the newly cited material on the enclosed PTO-1449 form. The newly cited document is indicated by an asterisk (\*).

Pursuant to 37 C.F.R. §1.98(a)(2)(ii), a copy of the newly cited U.S. patent document has not been included.

Pursuant to 37 C.F.R. § 1.97(e)(1), the undersigned certifies that the newly cited item of information contained in this Supplemental Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application, copy enclosed, and that this communication was not received by any individual

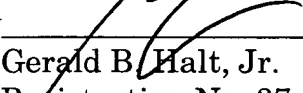
**Applicant:** Nolan et al.  
**Application No.:** 09/712,888

designated in §1.56(c) more than three (3) months prior to the filing of the supplemental information disclosure statement.

It is respectfully requested that the Examiner consider these documents and return an initialed copy of the PTO-1449 form indicating his consideration of the cited materials.

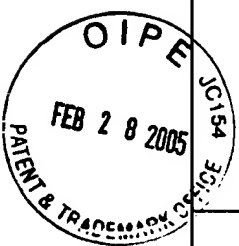
Respectfully submitted,

Nolan et al.

By   
Gerald B. Halt, Jr.  
Registration No. 37,633  
(215) 568-6400

Volpe and Koenig, P.C.  
United Plaza, Suite 1600  
30 South 17th Street  
Philadelphia, PA 19103

GBH/ks  
Enclosures (2)



FORM PTO-1449  U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE  INFORMATION DISCLOSURE STATEMENT BY APPLICANT  (Use several sheets if necessary)				ATTY. DOCKET NO. I-2-0148.1US		SERIAL NO. 09/712,888	
				APPLICANT Nolan et al.			
				FILING DATE November 15, 2000		GROUP 2128	

U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		3,956,601	05/1976	Harris et al.			
		5,163,051	11/1992	Blessman et al.			
		5,539,772	07/1996	Fasulo, II et al.			
		5,751,766	05/1998	Kietsky et al.			
		5,794,126	08/1998	Tsutsumi et al.			
	*	5,794,128	8/1998	Brockel et al.			
		5,862,362	01/1999	Somasegar et al.			
		5,881,066	03/1999	Lepitre			
		6,002,671	12/1999	Kahkoska et al.			
		6,374,375	04/2002	Yip et al.			
		6,442,141	08/2002	Borella et al.			
		6,466,925	10/2002	Harald et al.			

FOREIGN PATENT DOCUMENTS								
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
		Kufer, "Reduced Costs Through Baseband Simulation", News from Rohde & Schwarz, Number 163 (1999/III), pp. 11-12.
		New approaches in the generation of complex 1/Q signals, 2 pages.

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.